## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 24 February 2005 (24.02.2005)

**PCT** 

## (10) International Publication Number WO 2005/016970 A3

(51) International Patent Classification<sup>7</sup>: C07K 16/28, A61K 39/395, A61P 35/00, C12N 15/13, 15/63, 5/10

(21) International Application Number:

PCT/US2004/013852

(22) International Filing Date: 3 May 2004 (03.05.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/467,177

1 May 2003 (01.05.2003) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 21 April 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FULLY HUMAN ANTIBODIES DIRECTED AGAINST THE HUMAN INSULIN-LIKE GROWTH FACTOR-1 RE-CEPTOR

(57) Abstract: This invention relates to human antibodies that bind to human insulin-like growth factor-1 receptor (IGF-IR), to derivatives of these antibodies (Fabs, single chain antibodies, bi-specific antibodes, or fusion proteins), and to uses of the antibodies and derivatives in therapeutic, and diagnostic methods. The invention relates to nucleic acids encoding the anti-IGF-IR, methods of generating the antibodies and expression. The invention further relates to combination therapies using ant-IGF-IR antibodies with anti-neoplastic drugs.



Intermional Application No PCT/US2004/013852

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07K16/28 A61K39/395 A61P35/00 C12N5/10

C. DOCUMENTS CONSIDERED TO BE RELEVANT

C12N15/13

C12N15/63

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (dassification system followed by classification symbols) IPC 7 **CO7K** 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, EMBASE, PAJ, Sequence Search

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'A' docume	nt defining the general state of the art which is not ered to be of particular relevance	"T" later document published after the inte or priority date and not in conflict with cited to understand the principle or the	the application but
E' earlier diling da filing da which is citation O' document other mediater that	nt which may throw doubts on priority claim(s) or scited to establish the publication date of another or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or seans of published prior to the international filing date but an the priority date claimed	invention  "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the do  "Y" document of particular relevance; the cannot be considered to involve an inducument is combined with one or modern to ments, such combination being obvious in the art.  "&" document member of the same patent.	be considered to cument is taken alone laimed invention ventive step when the one other such docu-
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·····	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Inte	mational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
1	Although claims 34-56 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
з	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inter	national Searching Authority found multiple Inventions in this international application, as follows:
1	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
<b>Г</b>	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
2.	
2.	as all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment is any additional fee.
2.	as all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.  Is only some of the required additional search fees were timely paid by the applicant, this International Search Report overs only those claims for which fees were paid, specifically claims Nos.:
2.	as all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.  Is only some of the required additional search fees were timely paid by the applicant, this International Search Report overs only those claims for which fees were paid, specifically claims Nos.:
	is all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.  Is only some of the required additional search fees were timely paid by the applicant, this International Search Report overs only those claims for which fees were paid, specifically claims Nos.:  Or required additional search fees were timely paid by the applicant. Consequently, this International Search Report is estricted to the invention first mentioned in the claims; it is covered by claims Nos.:
	as all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.  Is only some of the required additional search fees were timely paid by the applicant, this International Search Report overs only those claims for which fees were paid, specifically claims Nos.:  To required additional search fees were timely paid by the applicant. Consequently, this International Search Report is estricted to the invention first mentioned in the claims; it is covered by claims Nos.:

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